



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 2, 1987

Mr. James R. Jennings
Quarry Superintendent
United States Gypsum Co.
Sigurd, Utah 84657

Dear Mr. Jennings

Re: Preliminary Reclamation Bond Estimate, M/041/008, Jensen Quarry,
Sevier County, Utah

Attached is a Preliminary Reclamation Bond Estimate for the Jumbo-Jensen Quarries. The total reclamation cost is estimated to be \$238,500 in the year 1992. An informational packet on bonding is also enclosed. We will not calculate the actual bond amount until the end of 1987 as per our agreement. In the meanwhile there are several things that you can do to reduce the amount of this preliminary estimate. These are itemized below:

1. Any of the disturbed acreage that is adequately reclaimed prior to the end of the year will not be included in the bond estimate. We will schedule a field visit to verify reclaimed acreages as weather and your schedule permit (probably in early January).
2. The equipment and labor rates used in the estimate come from the "Rental Rate Blue Book" and the "Means Site Work Handbook". These rates are normally higher than local contractors' rates in Utah. We will use local contractors' rates for the estimate if you will furnish us a written copy of their price quotes. We cannot use U.S. Gypsum's costs because the bond amount is to reflect what the Division would have to pay to have an outside contractor reclaim the site.
3. We have estimated the number of hours and the cost of seed and fertilizer necessary to reclaim the quarries and roads. If your figures are significantly lower than this estimate, it would be in your best interest to provide us with this information.

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The surety amount for your quarries will be determined after we inspect your reclamation work in January. Upon receipt of the bond from you, the Division will present the bond and a summary of the plan to the Board of Oil, Gas and Mining for final approval. If all goes smoothly, this should occur sometime in March or April.

Best regards,

A handwritten signature in black ink, appearing to read "Frank J. Filas", written in a cursive style.

Frank J. Filas
Reclamation Engineer

clj
cc: L. Braxton
F. Jensen
D. Wham
1311R/35-36

Preliminary Reclamation Bond Estimate
 Jumbo-Jensen Quarry
 M/041/008
 by
 Frank J. Filas
 October 28, 1987

<u>ITEM</u>	<u>QUANTITY</u>	<u>*UNIT COST</u>	<u>COST/ACRE</u>
<u>Mine Site</u>			
1. Backfill and Grade, D-9L	4 hrs	\$174.40/hr	\$ 698
2. Spread Stockpiled Soil & Rip, D-9L W/Ripper	2 hrs	174.40/hr	349
3. Seed and Fertilize			
Farm Tractor W/Disk	2 hrs	73.65/hr	147
Laborer	2 hrs	23.65/hr	47
Seed	20 lbs	5.00/lb	100
Fertilizer	200 lbs	.25/lb	50
4. Reseed if Necessary Assume 20% Area to be Reseeded			<u>70</u>
	Subtotal		\$1,461
	Ten Percent Contingency		<u>146</u>
	Total (1987 Dollars)		<u>\$1,607</u>
Total in 1992 dollars (2% inflation for 5 years)			\$1,774

ITEM	QUANTITY	*UNIT COST	COST/ACRE
<u>Roads</u>			
1. Spread Stockpiled Soil and Rip, D-9L W/Ripper	2 hrs	174.40/hr	349
2. Seed and Fertilize			
Farm Tractor W/Disk	2 hrs	73.65/hr	147
Laborer	2 hrs	23.65/hr	47
Seed	20 lbs	5.00/lb	100
Fertilizer	200 lbs	.25/lb	50
3. Reseed if Necessary Assume 20% of Area to be Reseeded			<u>70</u>
	Subtotal		\$ 763
	Ten Percent Contingency		<u>76</u>
	Total (1987 Dollars)		<u>\$ 839</u>
Total in 1992 Dollars (2% inflation for 5 years)			\$ 926

*Equipment costs are from the "Rental Rate Blue Book" and include operator and maintenance costs.

Total Reclamation Cost

Mining Areas: 111.4 acres x \$1,774/acre = \$197,600

Roads: 44.2 acres x \$ 926/acre = \$ 40,900

Total in 1992 Dollars \$238,500